

Comparisons of Job Characteristics

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Carpenters (47-2031)

[Compare Knowledge](#)

[Compare Skills](#)

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| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Carpenters (47-2031)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
|--|---------------------------------|--------------------------------|---------------------------|--------------------------------|---|
| Building and Construction | 4.0 | 17.5 | 15.0 | < | Expanded education and/or training may be required |
| Mathematics | 9.2 | 12.8 | 11.2 | < | Expanded education and/or training may be required |
| Mechanical | 6.8 | 12.6 | 11.0 | < | Expanded education and/or training may be required |
| Design | 5.2 | 12.2 | 9.9 | < | Expanded education and/or training may be required |
| Production and Processing | 6.0 | 10.9 | 7.9 | << | Extensive education and/or training may be required |
| Public Safety and Security | 6.9 | 8.6 | 8.9 | 0 | Current knowledge level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Carpenters (47-2031)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
|---|---------------------------------|--------------------------------|---------------------------|--------------------------------|--|
| Repairing | 3.4 | 6.1 | 2.0 | << | Extensive development of skills in this area may be required |
| Equipment Selection | 3.3 | 5.9 | 3.8 | << | Extensive development of skills in this area may be required |
| Equipment Maintenance | 3.5 | 5.1 | 1.9 | << | Extensive development of skills in this area may be required |
| Installation | 1.7 | 3.8 | 2.0 | << | Extensive development of skills in this area may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | | Similarity of Focus Occupation to Associated Occupation: 89 | | | |
|---|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Cement Masons and Concrete Finishers (47-2051) Associated Occupation: Carpenters (47-2031) | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
| Trunk Strength | 5.7 | 11.4 | 12.6 | > | Current ability level is likely sufficient |
| Static Strength | 5.0 | 11.3 | 10.2 | < | Some improvement in abilities may be required |
| Visualization | 7.5 | 11.3 | 10.2 | < | Some improvement in abilities may be required |
| Manual Dexterity | 6.5 | 11.2 | 11.4 | 0 | Current ability level may be sufficient |
| Extent Flexibility | 4.8 | 10.8 | 10.6 | 0 | Current ability level may be sufficient |
| Multilimb Coordination | 6.0 | 10.8 | 10.0 | 0 | Current ability level may be sufficient |
| Stamina | 4.0 | 8.7 | 8.9 | 0 | Current ability level may be sufficient |
| Gross Body Equilibrium | 3.2 | 8.6 | 4.9 | << | Extensive improvement in abilities may be required |
| Speed of Limb Movement | 3.2 | 8.3 | 8.5 | 0 | Current ability level may be sufficient |
| Spatial Orientation | 2.7 | 6.2 | 4.4 | << | Extensive improvement in abilities may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common | | Similarity of Focus Occupation to Associated Occupation: 74 |
|---|-------------------------|---|
| Focus Occupation: Cement Masons and Concrete Finishers (47-2051) Associated Occupation: Carpenters (47-2031) | | |
| Work Activities | Exclusivity of Activity | |
| Adhere to safety procedures | 12 | |
| Apply adhesives, caulking, sealants, or coatings | 45 | |
| Build or repair structures in construction, repair, or manufacturing setting | 54 | |
| Climb ladders, scaffolding, or utility or telephone poles | 56 | |
| Direct and coordinate activities of workers or staff | 3 | |
| Erect scaffold | 56 | |
| Fabricate, assemble, or disassemble manufactured products by hand | 11 | |
| Install prefabricated building components | 74 | |
| Move or fit heavy objects | 8 | |
| Perform safety inspections in construction or resource extraction setting | 46 | |
| Read blueprints | 10 | |
| Read tape measure | 41 | |

| | |
|--|----|
| Read technical drawings | 7 |
| Signal directions or warnings to coworkers | 42 |
| Understand construction specifications | 53 |
| Use basic carpentry techniques | 62 |
| Use concrete fabrication techniques | 74 |
| Use hand or power tools | 2 |
| Use measuring devices in construction or extraction work | 41 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 76

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)
Associated Occupation: Carpenters (47-2031)

| Tools and Technologies | Exclusivity |
|--|-------------|
| Business function specific software | 1 |
| Computers | 1 |
| Cutting and crimping and punching tools | 3 |
| Data management and query software | 1 |
| Dispensing tools | 6 |
| Finance accounting and enterprise resource planning ERP software | 2 |
| Forming tools | 2 |
| Holding and clamping tools | 3 |
| Industry specific software | 1 |
| Ladders and scaffolding | 6 |
| Length and thickness and distance measuring instruments | 2 |
| Lifting equipment and accessories | 3 |
| Measuring and layout tools | 3 |
| Pneumatic tools | 8 |
| Power generators | 16 |
| Power tools | 2 |
| Prying and bending tools | 10 |
| Respiratory protection | 6 |
| Rough and finishing tools | 5 |
| Tool attachments and accessories | 12 |
| Wrenches and drivers | 2 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.